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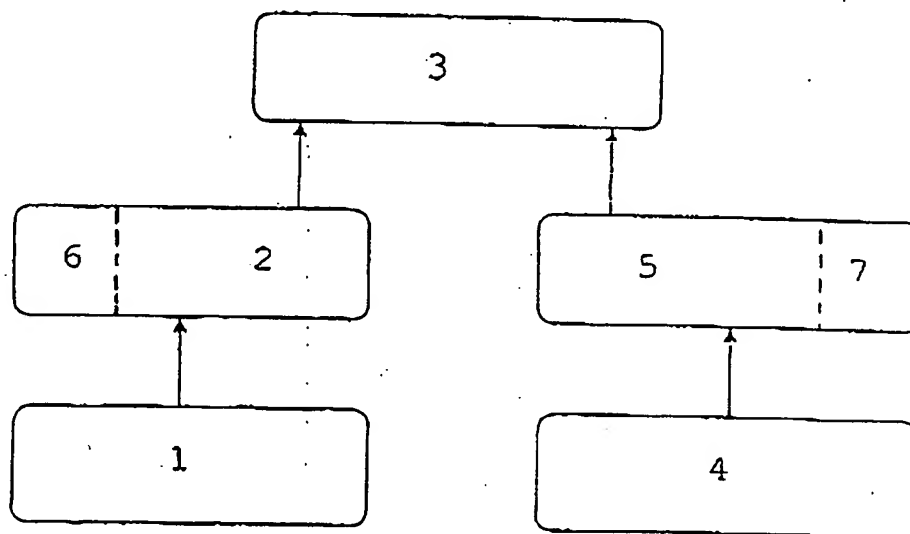
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(54) Title: APPARATUS FOR MONITORING A PATIENT



(57) Abstract: The invention provides an apparatus for monitoring a patient, comprising an invasive optical sensor device for monitoring substantially continuously a parameter relating to a bodily fluid of the patient, for example,  $pO_2$ ,  $pCO_2$  and/or pH, and an analyser device in communication with the sensor device for analysing a sample of bodily fluid withdrawn from the patient to derive information relating to the sample of bodily fluid. The information may be used for calibrating the sensor device.

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